# SWP Water Quality Summary

July 1 to 8, 2009

**Electrical Conductivity:** Concentrations decreased at Banks Pumping Plant (BPP) and Vallecitos, but increased at Check 29, Check 41, Devil Canyon and Barker Slough, from July 1 to July 8, 2009. Concentrations ranged from 228 µS/cm to 603 µS/cm (137 mg/L to 362 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 µS/cm). As of July 8, 2009, daily average concentrations varied at all the locations, with the lowest and highest concentrations of 228 µS/cm and 603 µS/cm occurring at Vallecitos and Check 29, respectively. In addition, as of July 8, 2009, the BPP EC concentration decreased from 327 µS/cm to 229 µS/cm.

**Bromide:** Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Bromide concentrations ranged from 0.06 mg/L to 0.32 mg/L. As of July 8, BPP and Vallecitos had the lowest concentration of 0.06 mg/L, followed by Barker Slough with 0.09 mg/L, while the highest concentration of 0.32 mg/L occurred at Check 29. On July 8, 2009, the concentration at BPP decreased from 0.12 mg/L to 0.06 mg/L.

**Turbidity:** Turbidity levels decreased at all locations from July 1 to July 8, 2009. Turbidity levels ranged from 1.0 NTU to 61.9 NTU this week. On July 8, 2009, the lowest level of 1.0 NTU occurred at Check 29 while the highest level of 55.8 NTU occurred at Barker Slough. As of July 8, 2009, the level at BPP decreased slightly from 23.6 NTU to 13.1 NTU.

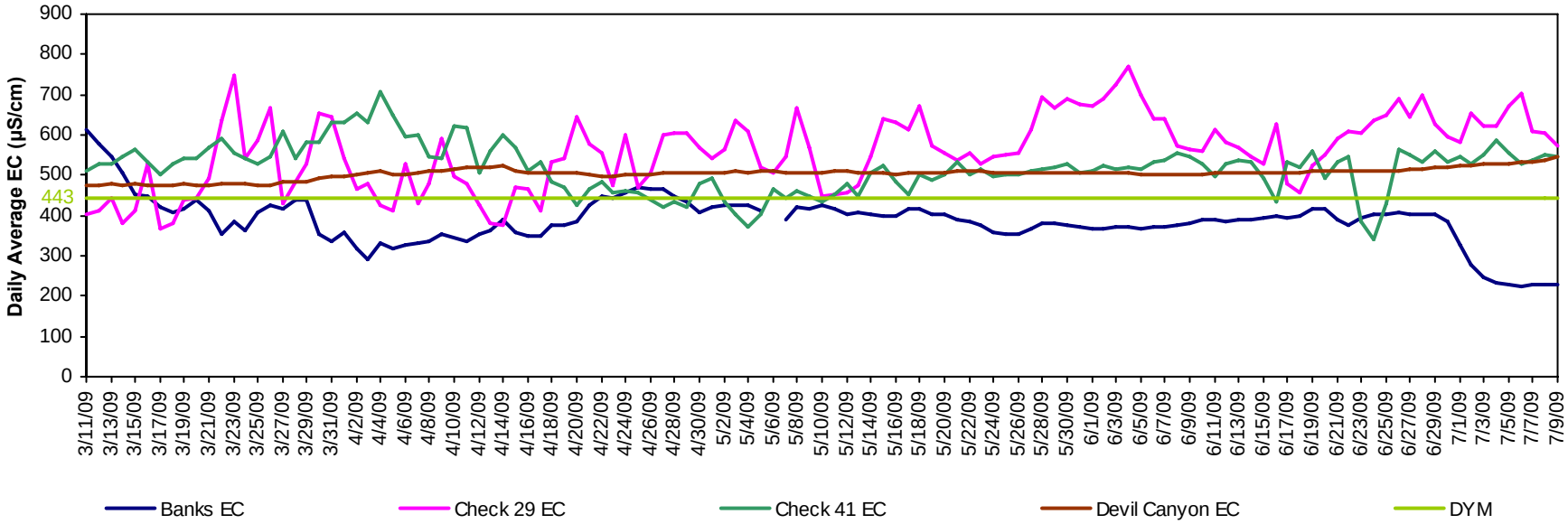
**Dissolved Organic Carbon (DOC):** Concentrations varied at all locations from July 1 to July 8, 2009. DOC concentrations decreased from 3.6 mg/L to 3.0 mg/L at BPP, from 3.7 mg/L to 3.4 mg/L at Check 13, but increased at Edmonston from 2.2 mg/L to 2.4 mg/L, as of July 8, 2009.

**Taste and Odor Compounds:** MIB and geosmin levels ranged from non-detect to 13 ng/L at Clifton Court Outlet, BPP, Del Valle Check 7, Castaic Lake and Lake Perris, as of July 6 and 7, 2009.

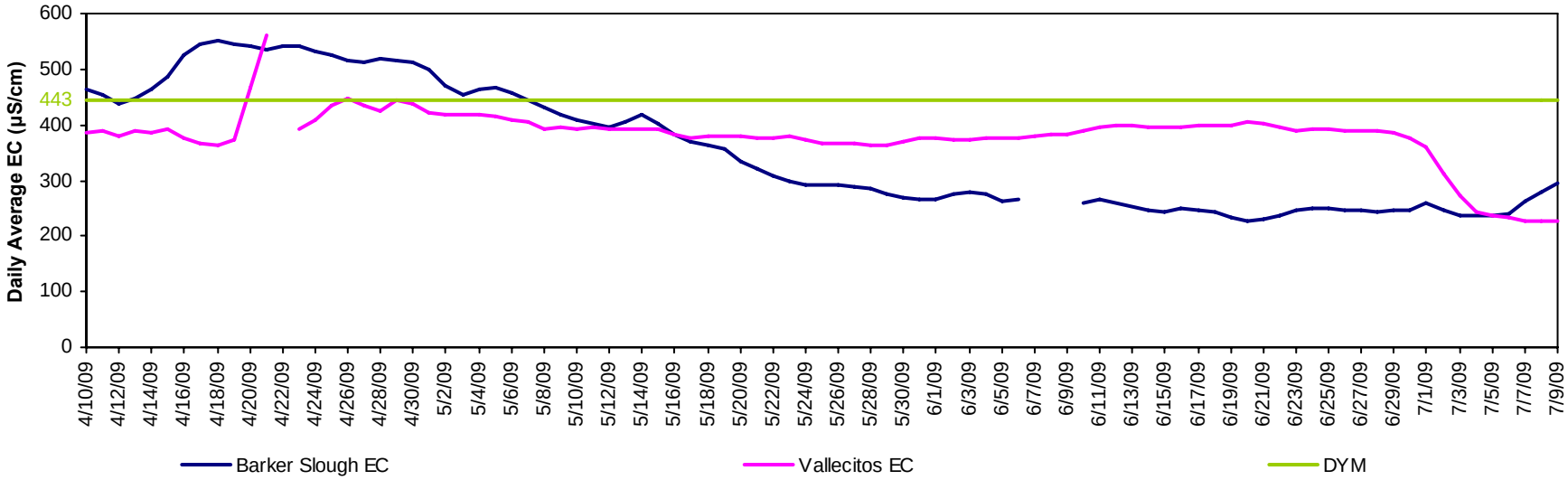
Ground water pump-ins to the California Aqueduct from Arvin Edison Water Storage District, Kern Water Bank Canal, Cross Valley Canal and Semitropic Storage District totaled 5,268 AF during July 1 to July 8, 2009.

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit: http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

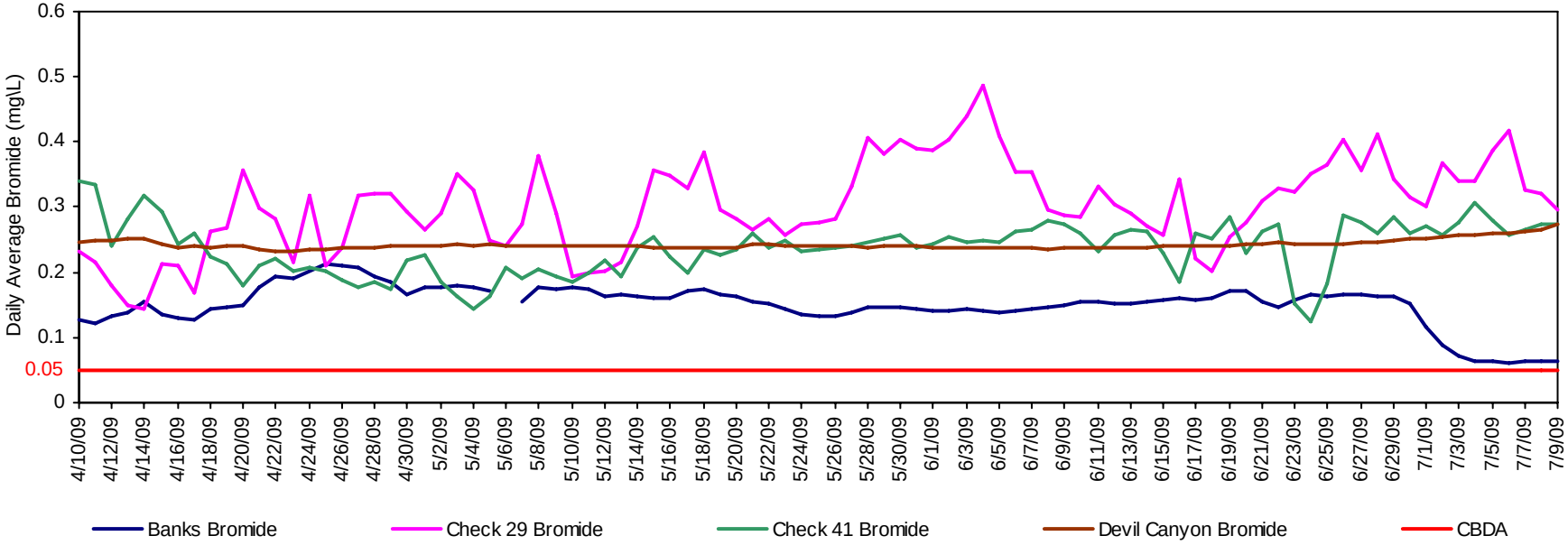
## California Aqueduct - Electrical Conductivity




## North and South Bay Aqueduct - Electrical Conductivity



## California Aqueduct - Calculated Bromide

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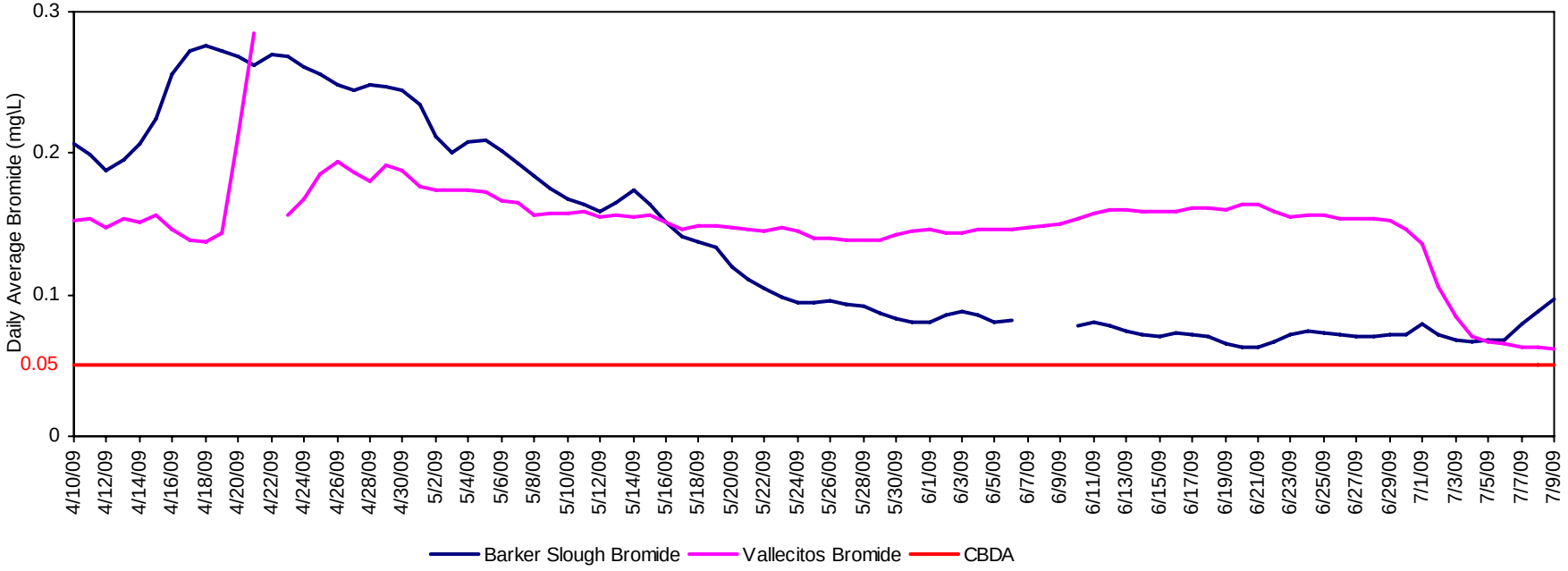
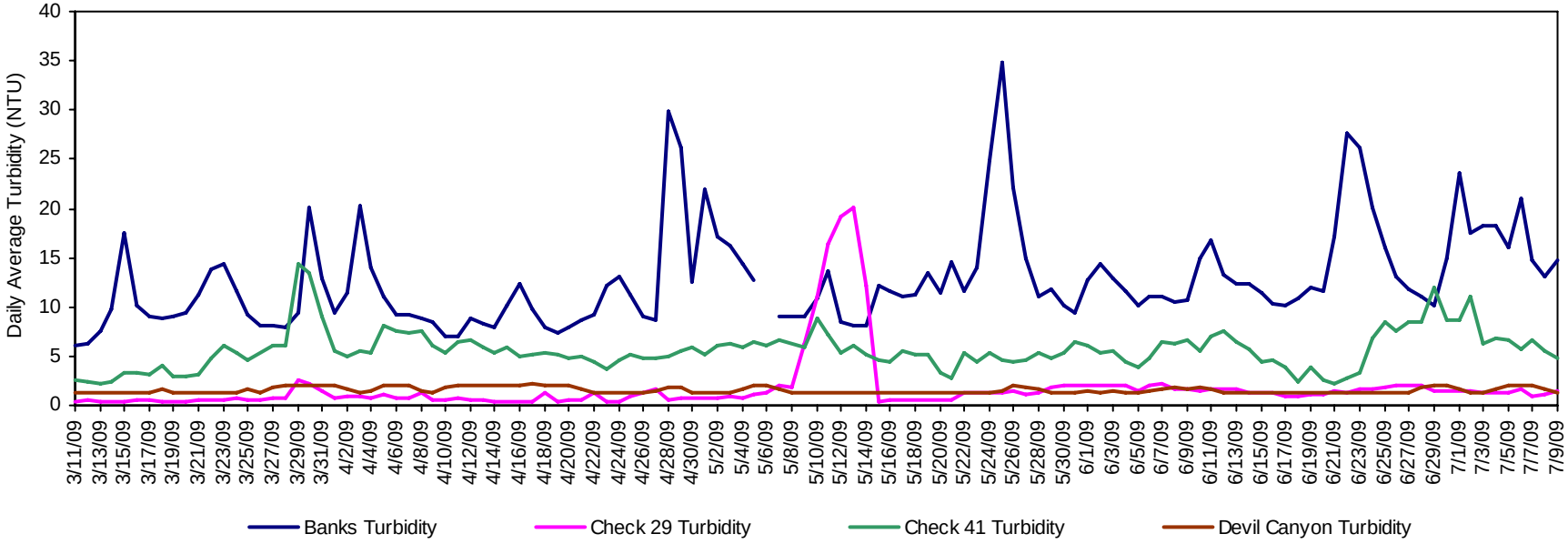


## California Aqueduct - Turbidity

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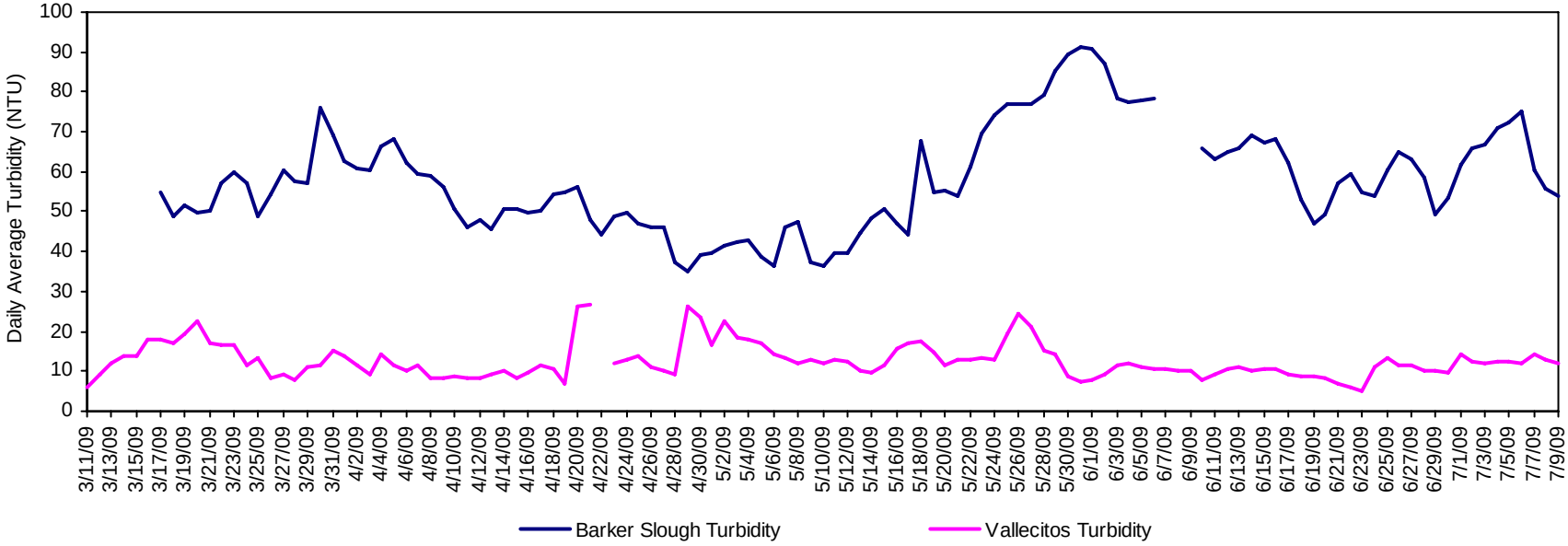

# California Aqueduct
## Calculated Dissolved Organic Carbon